

### **Abstract of the Disclosure**

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The present invention provides a decoding system and method for an optical disk storage device to receive and decode the data of the disk. The present invention does not need to increase the clock frequency and the bus width of the decoding system, it can effectively decrease the access times to the data buffer and the system response time by changing the structure of the conventional decoding system, in this way the present invention increases the parallel processing capability and the decoding speed of the system, thus, it can enhance the entire device to become a high speed optical storage device.

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